200Mbps Powerline Adapter

PLI-3021

H/W Version: 1

Product Overview

The LevelOne PLI-3021 200Mbps Powerline Adapter is a cost-effective Ethernet adapter which allows home and office users to build-up a speedy data network over exiting electrical wiring. It is ideal for users when it comes down to device placement in the workspace either home or office.

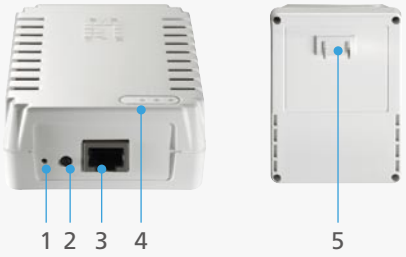
Utilizing the home power line infrastructure

Transmit data by using the existing electrical wiring in the building. Simply plug the PLI-3021 into an AC outlet. This is a fast, simple, and cost-effective alternative instead of installing expensive Ethernet cables throughout entire home or office. For this purpose the dual-pack starter kit of PLI-3021 is also available for a quick setup of a powerline network.

Built-in QoS for fast network speeds

The PLI-3021 is featured with Quality of Service (QoS) to ensures a sufficient bandwidth for delivering high-quality multimedia streams over powerline network. Complies with the HomePlug AV standard, users can enjoy 200Mbps data transfer rates for all bandwidth-hungry applications, such as VoIP, video/audio streams, gaming consoles, or any other applications which requires a high-speed Internet connectivity.

The PLI-3021 also provides 128-bit AES encryption with one-push button for easy achievements of network protection and secured data transmission.



1. Reset Button
2. Security Push Button
3. RJ-45 Ethernet Port
4. LED Indicators
5. Power Plug

Key Features

- Designed for High-Definition multimedia streaming
- Built-in QoS engine for prioritized audio and video streaming
- Data rate of up to 200Mbps over existing electrical wiring
- 128-bit AES encryption for network protection enhancement
- Simple Plug-and-Play installation
- Easy-to-use utility for powerline network management

Works Well With

PLI-3410
200Mbps Powerline Adapter with Wireless Access Point

FCS-0031
Megapixel PIR Lighting PoE Network Camera

Technical Specification

Computer Interface
IEEE802.3; IEEE802.3u

Standards
HomePlug AV

Network Interface
One RJ-45 (10/100Base-T Ethernet)
One 200Mbps Power Line Port supporting co-existence with HomePlug 1.0(14/85Mbps)

Security
128-bit AES Link Encryption with Key Management

Software
Utility for Microsoft Windows 98 SE, ME, 2000, XP, and 32-bit Vista, 7

Data Transfer Rate
200 Mbps over Powerline and 10/100Mbps over Ethernet

Modulation Schemes
OFDM Symbol Modulation on Line synchronization
1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO Carrier Modulation

Frequency Band
2 ~ 28 MHz

Additional Protocols
Mix of TDMA and CSMA/CA channel access scheme; CO device generates a periodic beacon carrier for channel access scheme

Operation Range
Estimated range of 300m in wall power lines

Cabling
100Base-T Cat. 5e or above UTP cable

Operating Temperature
0°C to 40°C

Storage Temperature
-20°C to 70°C

Humidity
10% to 90% (non-condensing)

Power Input
100 ~ 240V @ 50/60Hz Internal

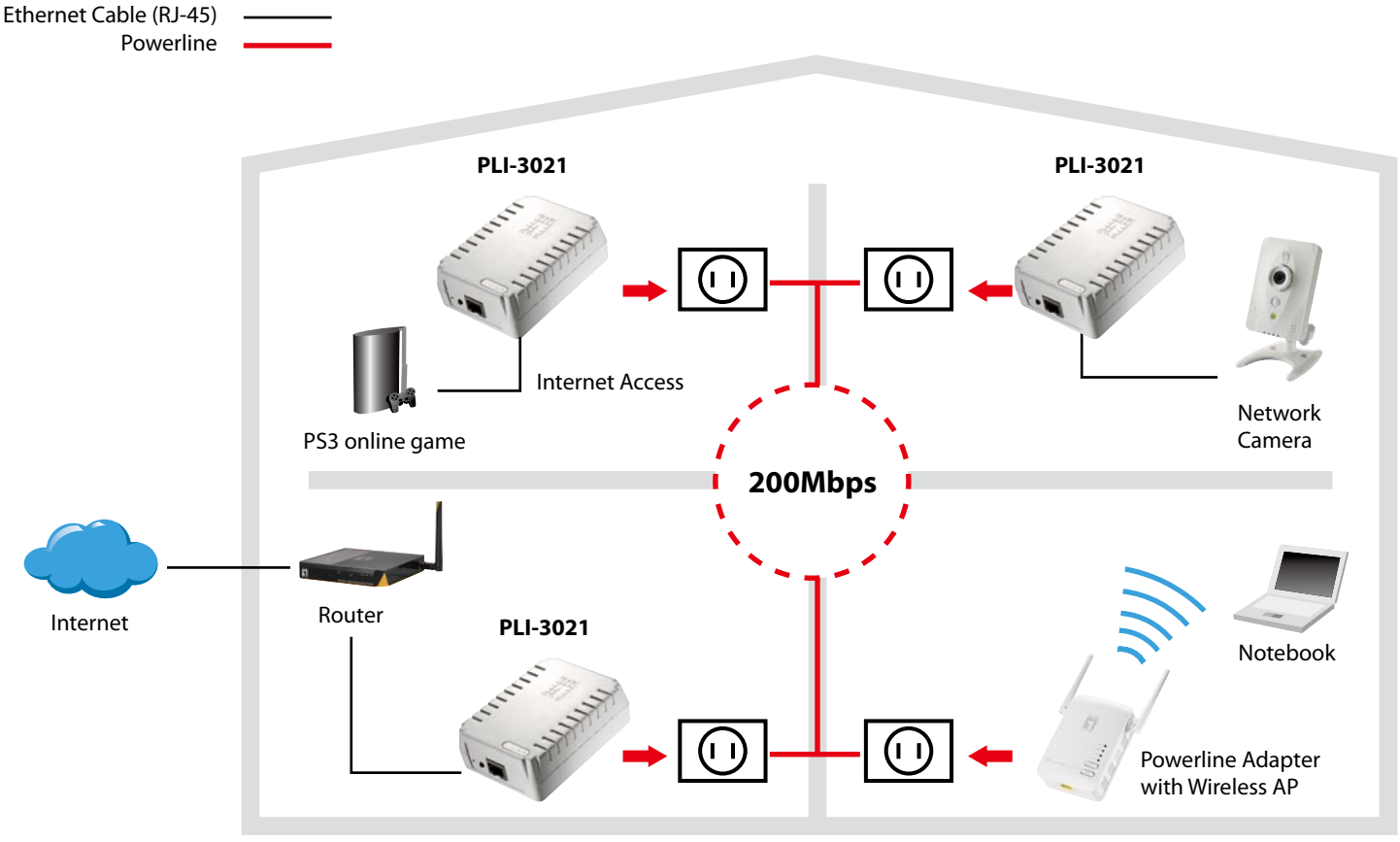
Housing
Plastic (99mm x 73mm x 34mm)

Software Utility
Device Detect/Diagnostic, NEK Password Setup for Local and Remote Device Windows 2000, ME, NT, XP, or Vista, 7 for Initial Setup

LED
PL – Link/Act; Traffic–Link/Act; ETH – Link/Act

Certifications
HomePlug AV PowerLine Specification
FCC Class B / CE Mark / HomePlug Certification

Product Diagram



Order Information

PLI-3021: 200Mbps Powerline Adapter

PLI-3021D: 200Mbps Powerline Adapter (Dual-Pack)

Package Contents

PLI-3021
Quick Installation Guide
RJ-45 Ethernet LAN Cable
Quick Installation Guide
CD Manual / Utility

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